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BASIC OPERATIONS (CONTINUED)

Recording

When using this VCR, an index mark is always marked at the beginning of every recording. This index marks make it easier for you to search for the beginning of the recordings. See "Index Search" on the next column.

Make sure....

- The record tab on the cassette is not removed.

1 On TV

- 1 Turn on the TV.
- 2 Select the video channel (or external video input).

2 On VCR

Insert a cassette with the record tab in place.
The VCR turns on.

- If a cassette is already in the VCR, turn on the VCR.

To rewind the tape, press REW ◀◀.

To reset the time counter, press CLEAR on the remote.

3 Select Tape Speed

Press ALT/ SPEED until the desired tape speed SP, LP or SLP appears on the screen.
SP, LP : For PAL signal
SP, SLP: For NTSC signal

4 Select a Channel

Press CH ▲ / ▼ or Number buttons to select the channel to record.

5 Start Recording

Press REC/OTR ●.

To pause recording

Press STILL/SLOW ► briefly (or STILL/ PAUSE ■■ on the front panel).

To resume recording, press the same button again.

To stop recording

Press STOP ■.

To watch another TV programme while recording

Select a different channel you want to watch on the TV.

You can watch the programme of the selected channel on the TV, without affecting recording on the VCR.

Erase protection

Cassettes have the record tab to ensure that recordings are not accidentally erased.



To prevent accidental erasure:

Break off the record tab with a screwdriver.

To record again, cover the opening with adhesive tape.

Automatic Operations

Auto playback

When a tape is inserted, the VCR turns on. If the record tab is removed, playback begins.

Auto rewind

When a tape reaches its end during playback or fast forwarding, the VCR rewinds the tape and stops.

Memory rewind power off

When you press POWER during rewinding, the VCR turns off after rewinding is completed.

Eject cassette

You can eject the tape simply by pressing EJECT ▲ even while the VCR is turned off.

When you press EJECT ▲, the VCR automatically turns on, ejects the tape, then turns off.

Repeat Playback

When you press and hold PLAY ► for more than 5 seconds, you can play back the same tape repeatedly (100 times).

When the tape runs to its end, the VCR automatically rewinds the tape, and starts playback.

Index Search

You can locate an index marked at the beginning of each recording on a tape recorded on this VCR (or an indexed tape).

Press ►►► or ◀◀◀ repeatedly until the appropriate number is displayed on the TV screen before starting play.

Rapid forward or reverse search begins.

When it finds the designated index, playback starts automatically.

- Locate an index number by pressing the button repeatedly, indicating how many index marks ahead of or behind that recording you want is from the tape's current position.
- Up to ±9th index mark from the current position on the tape can be located.

ADVANCED OPERATIONS (CONTINUED)

G-CODE® Set Up

You can simplify the programming method of timer recording by using the *G-CODE* system.

Whenever you want to record a TV program, all you need to do is to find out the programme's *G-CODE* number.

You can easily find out this number by checking the TV programme list of your local newspaper or TV guide magazine.

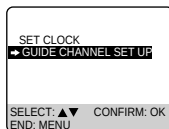
Simply entering the programme's

G-CODE number using the remote control will make the VCR record the programme. Before using the *G-CODE* system for the first time, you need to set the guide channel number for each local channel number. The **local channel (user channel) number** is the number you select on the VCR to record a programme, while the **guide channel number** is the one assigned to that local channel and you can also find it in the TV programme list of your local newspaper or TV guide magazine.

- You can use the tables below to note your local TV (or Cable) channel numbers and their guide channel numbers.

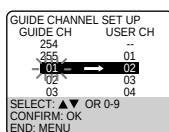
1 Select VCR Set Up Mode

- Press MENU.
- Press PLAY ▲ or STOP ▼ to select "INITIAL SET UP" then press OK/STATUS.



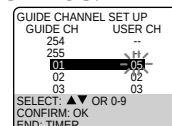
2 Set Guide Channels

- Press PLAY ▲ or STOP ▼ to select "GUIDE CHANNEL SET UP" then press OK/STATUS.



- While the GUIDE CH number is flashing, press PLAY ▲ or STOP ▼ (or CH ▲/▼) or Number buttons to enter guide channel number (GUIDE CH) then press OK/STATUS.

- For example, for guide channel number 9, press 0, 9. Always enter "0" before any single number entries.



- While the space for the user CH is flashing, press PLAY ▲ or STOP ▼ (or CH ▲/▼) or Number buttons to enter local channel number (USER CH), then press OK/STATUS.

- For example, for local channel number 9, press 0, 9. Always enter "0" for empty digits.

- Repeat the above procedures until you set the guide channel for all the receivable local channels.

3 Finish Setting

Press MENU.

To correct a user channel number and/or a guide channel number, repeat the same procedures explained above. This time, enter the correct user channel number and/or the correct guide channel number.

Local TV Station's Name	Local Channel No. (USER CH)	G-CODE Guide Channel No. (GUIDE CH)
ABC2	Ch 2	Ch 2
ATN7	Ch 7	Ch 7
TCN9	Ch 9	Ch 9
TEN10	Ch 10	Ch 10
SBS28	Ch 28	Ch 28

Local TV Station's Name	Local Channel No. (USER CH)	G-CODE Guide Channel No. (GUIDE CH)



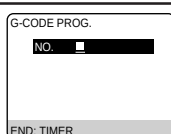
Timer Recording Using the G-CODE System

By entering the *G-CODE* number for a particular TV programme, you can easily programme a timer recording.

1 Select G-CODE Mode

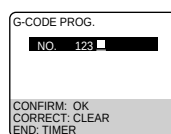
- 1 Press VCR.
- 2 Press TIMER.
- 3 Press PLAY▲ or STOP▼ to select "G-CODE" then press OK/STATUS.

The *G-CODE* entry menu appears on the TV screen.



2 Enter G-CODE Number

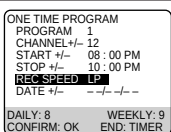
- 1 Press Number buttons to enter the *G-CODE* number assigned to the TV programme you want to record.
- 2 Press OK/STATUS.
 - If "ERROR-RE-ENTER CODE" appears on the TV, you have entered an incorrect *G-CODE* number. If this happens, press CLEAR to erase the number, then enter the correct number.
 - If you have not yet set the user channel, the "GUIDE CHANNEL SET UP" screen will appear. Press PLAY▲ or STOP▼ buttons repeatedly or number buttons to enter the USER CH number which the broadcast for the *G-CODE* number is received on the VCR, then press OK/STATUS.



3 Select Tape Speed

Press ALT/SPEED.

- Each time you press the button, the tape speed alternates between "SP", "LP", or "SLP".
SP, LP : For PAL signal
SP, SLP : For NTSC signal
- To change the stop time, press STOP +/- (number 2 or 5 button).



4 Confirm Programme

Press OK/STATUS or TIMER.

"PROGRAM WAS COMPLETED" appears on the TV screen.

After 5 seconds, the above message disappears, and the normal TV picture resumes. The ⌚ (timer) indicator lights up on the display.

- If "PROGRAM NOT COMPLETED" appears, try again from step 1.
- If "PROGRAM OVERLAPPED" appears, the timer recording you just programmed overlaps another timer recording. The Program Review screen will appear with a magenta line blinking. To change any item on the overlapping programs, see page 23.

If you want to store other programmes, repeat steps 1 to 4.

5 Finish the Settings

Press POWER to turn off the VCR.

The VCR must be turned off for a timer recording to take place. If you forget to turn off the VCR, "PLEASE TURN OFF VCR FOR TIMER RECORDING" flashes on your TV screen two minutes before a timer recording starts. To remove the message, press the CLEAR button.

If you want to record the same programme daily, press DAILY (Number button 8) at step 3 (Press the button again to cancel).

The VCR will record a TV programme every day (Monday through Friday) at the same time and length. (Daily Recording)

If you want to record the same programme weekly, press WEEKLY (Number button 9) at step 3 (Press the button again to cancel).

The VCR will record a TV programme once a week at the same day, time, and length. (Weekly Recording)

If you want to cancel the currently set programme, press CLEAR button.

Note:

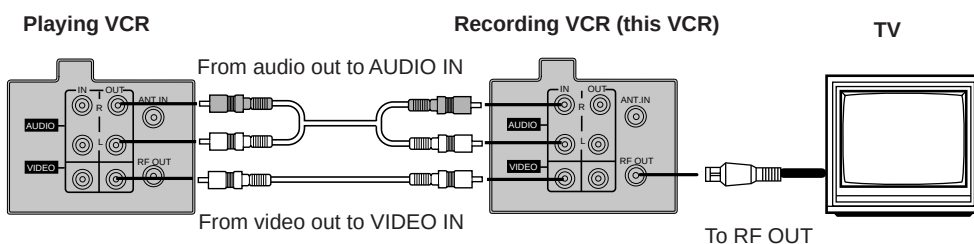
- Even if a power failure occurs, the VCR keeps your timer programs. However, the clock time and other menu settings are lost if it lasts for more than 3 minutes. As a result, when the power is supplied again to this VCR after the power failure, set the clock time and turn off the VCR. Each timer program you have made will start unless its start time already passes.



ADVANCED OPERATIONS (CONTINUED)

Tape Duplication

- 1 Connect the recording VCR (this VCR) and the playing VCR.
- 2 Connect the recording VCR (this VCR) to the TV.



Dubbing from any VCR (or video camera) to another is simple. Explanations on this page uses this VCR as the recording VCR. Refer also to the manual supplied with the other VCR (for playback).

- You can also use the front AUDIO/VIDEO input jacks.
- The remote control operation mode is set correctly for operating your target component.
 - Press VCR to operate the VCR.

1 On VCRs

Insert a source tape in the playing VCR and a blank tape in the recording VCR.

- If a tape without the record tab is inserted in the playing VCR, playback automatically starts. In this case, press the STOP button.

2 On TV

Turn the channel on the TV to your video channel.

3 Select Line Input

Press CH ▲ or ▼, pointing the remote control at this VCR, to select the external line input.

- For rear jacks, select “L-1” on the display or “A/V IN” on the TV screen.
- For front jacks, select “L-F” on the display or “F-A/V IN” on the TV screen.

4 Select Tape Speed

Press ALT/SPEED, pointing the remote control at this VCR, until the desired tape speed (SP, LP or SLP) appears on the screen.

SP, LP: For PAL signal.
SP, SLP: For NTSC signal.

5 Play Back Tape

Press the PLAY ► button on the playing VCR.

6 Record (Copy) Tape

Press REC/OTR ● at this VCR.

Remember: Press the buttons in steps 5 and 6 simultaneously to avoid missing any of the recording.



BEFORE REQUESTING SERVICE

Check the following points once again if you are having some difficulties with your VCR.

IMPORTANT

Periodic maintenance is required in order to maintain the VCR's continuous excellent performance. After a period of time the video heads will require replacement. If cleaning or replacement of the video heads is required, this service should be performed at an authorized video system service center.

Power

No power.

Correction

- ◆ Make sure the AC power cord is correctly connected to an AC outlet.
- ◆ Make sure the VCR is turned on.

Recording & Playback

TV programme cannot be recorded.

Correction

- ◆ Check the connections between the VCR, the antenna, and the TV.
- ◆ Make sure that the record tab on the back of the cassette is not removed. (≡P.12)

Timer recording cannot be performed.

- ◆ Set the timer on-time and timer off-time correctly. (≡P.22)
- ◆ Make sure that the VCR is turned off after setting is made. (≡P.21, P.22)
- ◆ Timer recording may not be performed or stopped if a power interruption occurs before or during timer recording.

There is no playback picture, or the playback picture is noisy or contains streaks.

- ◆ Select your video channel correctly. (≡P.8)
- ◆ Adjust the tracking slowly in either direction. (≡P.16)

During a still or slow motion picture, the picture may contain some vertical jitter when using a TV which has an automatic vertical hold control.

- ◆ Try to change to another tape, you may not have this problem.